

REMARKS**I. Summary of Office Action**

Claims 1-7 and 9-15 were pending in the above-identified patent application.

Claims 10-15 have been rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. (Office Action, pp. 3-4). Claims 10-15 have also been rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. (Office Action, pp. 4-6).

Claims 1-6 and 9-15 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,822,157 to Stout (“Stout”) in view of U.S. Patent No. 1,768,354 to Falge (“Falge”). (Office Action, pp. 6-9). Claim 7 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Stout in view of Falge with or without U.S. Patent No. 3,199,114 to Malifaud (“Malifaud”). (Office Action, pp. 9-10).

II. Summary of Applicant’s Reply

Claims 10-13 and 15 have been amended to more particularly point out and distinctly claim the subject matter which Applicant regards as his invention.

Applicant is submitting herewith a Declaration under 37 C.F.R. § 1.132, providing evidence of secondary considerations in response to the rejection of the claims as being unpatentable under 35 U.S.C. § 103(a).

The claim rejections are respectfully traversed.

III. The Section 112, First Paragraph Rejections

Claims 10-15 have been rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. (Office Action, pp. 3-4).

With regard to claim 10, the Office Action asserts that “the disclosure, as originally filed, does not provide support for the feature related to the connection of the mirror mount and the so-called ‘a front location of a school bus or vehicle’ as recited in lines 4-5 of the claim.” (Office Action, p. 3). It is respectfully submitted that this feature is fully supported by the disclosure as originally filed. However, to facilitate prosecution, claim 10 has been amended to remove the reference to “a front location” of a school bus or vehicle. Accordingly, the rejection of claim 10 with regard to this feature is moot and should be withdrawn.

With regard to claim 10, the Office Action also asserts that “the disclosure, as originally filed, does not provide support for the feature thereof ‘an antiglare...second image portion’ as recited in the claim, lines 12-20,” and that “the disclosure, as originally filed, does not disclose any support related to the so-called ‘first image portion’, ‘second image portion’ and their structural relationships with the front or side of the school bus or vehicle.” (Office Action, p. 4). This is not the case, and it is respectfully submitted that the first and second image portions, and their relationships with the school bus or vehicle, are fully supported by the specification as originally filed. The first image portion is simply a portion of the mirror in the claimed upper area in which an image is provided, and the second image portion is a portion of the mirror in the claimed bottom half portion in which an image is provided. These portions are fully supported by at least Figure 2A of the drawings, among others. The specification further describes that:

In a mirror element fabricated so that the upper one half portion of the dome surface is treated for glare, the image in that portion will be darkened because of the glare treatment. It is important not to increase the portion treated with anti-glare material beyond the bottom one half portion because the glare treatment reduces the sharpness of the image and it is important that the lower half mirror

which points to the front of the bus where very young, short children may be standing is not affected.

(Specification, p. 4, ll. 5-10; *see also* p. 3, ll. 8-15; Figs. 2B, 2C).¹ The first and second image portions are therefore supported by the disclosure as originally filed, as are their relationships with the school bus or vehicle.

For at least the reasons set forth above, claim 10 is in compliance with the written description requirement of 35 U.S.C. § 112, first paragraph, and therefore the rejections of claim 10 should be withdrawn. It follows that dependent claims 11-15, which depend directly or indirectly upon independent claim 10, are also in compliance with the written description requirement, and therefore the rejection of those claims 35 U.S.C. § 112, first paragraph should also be withdrawn.

IV. The Section 112, Second Paragraph Rejections

Claims 10-15 have been rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. (Office Action, pp. 4-6).

With regard to claim 10, the claim has been amended to recite that the outer mirror surface faces toward the school bus or vehicle to which the mirror element is mounted. Accordingly, the rejection of claim 10 as reciting both a broad range or limitation together with a narrow range or limitation (*see* Office Action, p. 5) should be withdrawn. In addition, it follows that dependent claims 11-15, which depend directly or indirectly upon independent claim 10, are also definite, and therefore the rejection of those claims for this reason should also be withdrawn.

¹ All citations to the specification in this response are to the clean copy of the substitute specification filed on April 10, 2008 and accepted by the Examiner in this Office Action.

With regard to claims 11-13 and 15, the claims have been amended to recite an “upper area,” for which claim 10 provides proper antecedent basis. Accordingly, the rejection of claims 11-13 and 15 for this reason (*see* Office Action, pp. 5-6) should be withdrawn.

V. **The Section 103 Rejections**

Independent claims 1, 9, and 10 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Stout in view of Falge. (Office Action, pp. 6-9).

To reject a claim as being obvious, “the scope and content of the prior art are to be determined; differences between the prior art and the claims at issue are to be ascertained; and the level of ordinary skill in the pertinent art resolved.” *Graham v. John Deere Co.*, 383 U.S. 1, 17 (1966); *see also* M.P.E.P. § 2141. Once these inquiries have been resolved, it is then determined whether the claimed invention would have been obvious to one of ordinary skill in the art. *See KSR Int’l Co. v. Teleflex Inc.*, 550 U.S. 398, 127 S.Ct. 1727, 1740-1741 (2007).

Objective evidence, referred to as “secondary considerations,” must also be evaluated in order to determine whether a claim is obvious. *See Graham*, 383 U.S. at 17-18; M.P.E.P. § 2141(II). These secondary considerations may include, for example, commercial success of the claimed invention and copying of the claimed invention by others. *See* M.P.E.P. § 2145.

The rejection of the claims in the Final Office Action **fails to satisfy the *Graham* factual inquiries** required to establish a *prima facie* case of obviousness. As submitted in Applicant’s Supplemental Amendment filed on July 11, 2008 (“Applicant’s Supplemental Amendment”), and as maintained herein, one of ordinary skill would not have combined Stout and Falge in the first instance, and the combination of Stout with Falge fails to teach or suggest the combination of features recited in Applicant’s independent claims, including a mirror element having a contoured outer surface, the contoured surface being convex and generally dome shaped , and “a

portion of the outer surface . . . being treated with and comprising an antiglare material which is effective to reduce glare.”

Specifically, one of ordinary skill in the art at the time of Applicant’s invention would not have combined the teachings of Stout with those of Falge. In particular, and as set forth in Applicant’s Supplemental Amendment, Stout discloses a cross-view mirror for mounting outside of a bus, whereas **Falge discloses a rear view mirror for mounting within a bus**, and which is structured such that **only a portion of the outer reflecting surface** is used at any one time, depending on the tilt of the mirror. The entire surface of the mirror in Falge is never used to provide a single, integrated, wide-angle field of view as with the claimed mirror assembly. The Office Action contends that this is simply “a rearranging [of] parts of an invention,” and therefore “involves only routine skill in the art.” (Office Action, p. 11) (citation omitted). However, Applicant respectfully submits that the present invention is not merely a rearrangement of parts that is being proposed with the combination of Stout with Falge. Rather, the Examiner is proposing to combine the features from **two *different* mirrors** that are used in *different* locations of the vehicle (*i.e.*, outside-Stout vs. inside-Falge) for *different* purposes (*i.e.*, cross-view-Stout vs. rear-view-Falge). Thus, contrary to the Examiner’s assertions, one of ordinary skill in the art simply **would not have looked to the disclosure of Falge to combine with the teachings of Stout.**

In addition, even if Stout and Falge were combined, the resulting combination, without further modification by the Examiner, does not yield the presently claimed invention.

Specifically, the Examiner’s proposed combination yields, at most, a cross-view mirror having a treated back surface or an additional screen or filter that is flipped down over the mirror.

In addition to the **failure of the Office Action to provide a reason** to combine Stout and Falge, the **failure of Stout and Falge** to yield a *prima facie* case of obviousness, and the **failure to satisfy the *Graham* factual inquiries**, secondary considerations of non-obviousness also exist and must be considered. *See Graham*, 383 U.S. at 17-18; M.P.E.P. § 2141(II). Applicant previously submitted three letters, as well as the State of Florida bus regulations, with Applicant's Supplemental Amendment. These documents provide significant evidence of the commercial success of the claimed invention, and establish that the commercial success is a direct result of the claimed features, *i.e.*, the treatment of the cross-view mirror with anti-glare material. (*See* July 11, 2008 Amendment, pp. 9-12).

Specifically, the Office Action **fails to provide a reason** why one of ordinary skill would have combined Stout and Falge in the first instance. Applicant submits that the only explanation for the lack of a reason being provided is that Applicant discovered the problem that the present invention solves, along with the solution to the discovery that is clearly described and tailored in the currently pending claims. The Court of Customs and Patent Appeals (CCPA) has stated in this connection in *In re Nomiya*, 509 F.2d 566, 184 USPQ 607, 612 (C.C.P.A. 1975):

It should not be necessary for this court to point out that *a patentable invention may lie in the discovery of the source of a problem* . . . This is part of the "subject matter as a whole" which should always be considered in determining the obviousness of an invention under 35 U.S.C. 103.

Similarly, the CCPA stated in *In re Bisley*, 197 F.2d 355, 94 USPQ 80, 86-87 (C.C.P.A. 1952):

Moreover, the conception of a new and useful improvement must be considered along with the actual means of achieving it in determining the presence or absence of invention. . . . *The discovery of a problem calling for an improvement is often a very essential element in an invention correcting such a problem; and though the problem, once realized, may be solved by use of old and known elements, this does not necessarily negative invention.*

The Board of Patent Appeals and Interferences has similarly held in *Ex parte Hiyamizu*, 10 USPQ2d 1393, 1394-95 (B.P.A.I. 1988):

It is to be noted, however, that citing references which merely indicate that isolated elements and/or features recited in the claims are known is not a sufficient basis for concluding that the combination of claimed elements would have been obvious. . . . Furthermore, it is well settled that where the claimed invention solves a problem, *the discovery of the source of the problem and its solution are considered to be part of the “invention as a whole” under 35 U.S.C. 103.*

See also In re Spinnoble, 405 F.2d 578, 585, 160 USPQ 237, 243 (CCPA 1969) (“[A] patentable invention may lie in the discovery of the source of a problem.”).

The Federal Circuit has recently qualified the Supreme Court decision in *KSR International Co. v. Teleflex Inc.*, 550 U.S. 398 (2007), limiting the application of “obvious to try,” and prohibiting the use of obvious to try under the following situations:

To differentiate between proper and improper applications of “obvious to try,” this court outlined two classes of situations where “obvious to try” is erroneously equated with obviousness under § 103. In the first class of cases,

what would have been “obvious to try” would have been to vary all parameters or try each of numerous possible choices until one possibly arrived at a successful result, where the prior art gave either no indication of which parameters were critical or no direction as to which of many possible choices is likely to be successful.

Id. In such circumstances, where a defendant merely throws metaphorical darts at a board filled with combinatorial prior art possibilities, courts should not succumb to hindsight claims of obviousness. The inverse of this proposition is succinctly encapsulated by the Supreme Court's statement in *KSR* that where a skilled artisan merely pursues “known options” from a “finite number of identified, predictable solutions,” obviousness under § 103 arises. 550 U.S. at 421.

The second class of *O'Farrell's* impermissible “obvious to try” situations occurs where

what was “obvious to try” was to explore a new technology or general approach that seemed to be a promising field of experimentation, where the prior art gave only general guidance as to the particular form of the claimed invention or how to achieve it.

853 F.2d at 903. Again, *KSR* affirmed the logical inverse of this statement by stating that § 103 bars patentability unless “the improvement is more than the predictable use of prior art elements according to their established functions.” 550 U.S. at 417. . . .

In re Kubin, ---- F.3d ----, ---- USPQ2d ----, 2009 WL 877646 (Fed. Cir. April 3, 2009).

Accordingly, it is inappropriate for the Office Action to broadly state that Stout and Falge would have been combined when Applicant discovered the problem in connection with the claimed cross view mirror.

The MPEP also makes clear that the key to supporting an obviousness rejection under 35 U.S.C. § 103 is providing a clear articulation of the reason or reasons why the claimed invention would have been obvious. *See* MPEP § 2141(III). As stated above, the Office Action fails to provide such a reason, and cannot be sustained by the “mere conclusory statements” that are made. *See id.*

The Final Office Action asserts that the evidence previously submitted with Applicant’s Supplemental Amendment was insufficient and states that “[a] bare statement in each of the letter without any written data for supporting the numbers of mirror being sold is not sufficient to overcome the rejection. In particular, it is unclear about the time in which the numbers of mirror being sold as stated in the letter.” (Office Action, p. 13). While Applicant disagrees with the Examiner’s assertion that the previously-submitted evidence was insufficient, Applicant is submitting herewith a Declaration under 37 C.F.R. § 1.132 from Benjamin Englander (“the Englander Declaration”), providing the requested sales data, as well as information on competitors in the field. The Englander Declaration also resubmits the documentation provided with Applicant’s Supplemental Amendment.

According to the Englander Declaration, Rosco’s tinted Hawkeye mirror has been on the market since 2001, and its introduction satisfied a *substantial need* in the market for a mirror that allowed for wide-angle viewing of the area around a school bus, while also reducing glare for the driver of the bus. (*See* Englander Declaration, ¶ 5). Rosco’s tinted mirror has enjoyed

significant commercial success since it was introduced in 2001. (*See* Englander Declaration, ¶¶ 6, 7). Rosco has made approximately \$5.5M in total sales from 2001 through 2008. (*See* Englander Declaration, ¶ 6). The commercial success of Rosco's Hawkeye tinted mirror is directly related to its anti-glare tinting. (*See* Englander Declaration, ¶¶ 8, 9). As further evidence of this, the State of Florida wrote its 2006 School Bus Specifications to require tinting of cross-view mirrors after successful testing of Rosco's design. (*See* Englander Declaration, ¶ 9).

A number of other companies sell standard cross-view mirrors that do not include the claimed anti-glare tint. (*See* Englander Declaration, ¶ 10). Because these alternative cross-view mirrors were available on the market, and Rosco still made approximately \$5.5M in sales from its tinted cross-view mirrors, the claimed anti-glare tint feature was responsible for the commercial success of the claimed invention. This further demonstrates the nexus between the claimed invention and Rosco's commercial success. (*See id.*).

Only one competitor of Rosco's, Mirror Lite Company, sells a tinted cross-view mirror. (*See* Englander Declaration, ¶ 11). Mirror Lite Company markets its tinted cross-view mirror as being a **direct replacement for Rosco's tinted cross-view mirror**. (*See* Englander Declaration, ¶ 12). Mirror Lite Company's manufacture of a mirror that it markets as a replacement for Rosco's tinted mirror demonstrates its **copying of Rosco's claimed invention design**, yet another secondary consideration that rebuts the Examiner's allegation that the claimed invention is obvious. (*See id.*).

Accordingly, for at least these reasons, claims 1, 9, and 10 are patentable over the combination of Stout with Falge, and the therefore rejection of the claims under section 103 should be withdrawn. In addition, dependent claims 2-7 and 11-15 are allowable at least because

independent claims 1 and 10 are allowable. Thus, the rejections of dependent claims 2-7 and 11-15 are moot and should also be withdrawn.

Additionally, dependent claim 2 includes all the features of independent claim 1, and further recites that “the portion treated to reduce glare encompasses less than one-third of said surface.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 2, nor does the Office Action provide a reason for the combination. Accordingly, claim 2 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 3 includes all the features of independent claim 1, and further recites that “the portion treated to reduce glare is located in spaced relation to and not in contact with any portion of the peripheral edge of the mirror surface.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 3, nor does the Office Action provide a reason for the combination. Accordingly, claim 3 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 4 includes all the features of independent claim 1, and further recites that “the portion treated to reduce glare is formed with a chroming process.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 4, nor does the Office Action provide a reason for the combination. Accordingly, claim 4 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 5 includes all the features of independent claim 1, and further recites that “the convex generally dome shaped mirror surface is oval shaped.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 5, nor does the Office Action provide a reason for the combination. Accordingly, claim 5 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 6 includes all the features of independent claim 1 and dependent claim 5, and further recites that “the oval shape surface has associated therewith a minor axis and a major axis and the portion treated to reduce glare is located in an upper portion of the mirror surface relative to the major axis of the mirror.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 6, nor does the Office Action provide a reason for the combination. Accordingly, claim 6 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 7 includes all the features of independent claim 1, and further recites that “the portion treated to reduce glare is located on one side relative to a minor axis of the mirror surface.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 7, nor does the Office Action provide a reason for the combination. Furthermore, the addition of Malifaud does nothing to make up for the deficiencies of Stout and Falge. Accordingly, claim 7 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 11 includes all the features of independent claim 10, and further recites that “the upper area above the bottom half of said contoured outer mirror surface on which the antiglare material is disposed and treated comprises less than one-third of said contoured outer mirror surface.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 10, nor does the Office Action provide a reason for the combination. Accordingly, claim 10 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 12 includes all the features of independent claim 10, and further recites that “the upper area above the bottom half of said contoured mirror surface on which the antiglare material is disposed and treated is located in spaced relation to and not in contact with any part of the peripheral edge.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 12, nor does the Office Action provide a reason for the combination. Accordingly, claim 12 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 13 includes all the features of independent claim 10, and further recites that “the antiglare material is disposed and treated on the upper area with a chroming process.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 13, nor does the Office Action provide a reason for the combination. Accordingly, claim 13 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 14 includes all the features of independent claim 10, and further recites that “the mirror surface is oval shaped.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 14, nor does the Office Action provide a reason for the combination. Accordingly, claim 14 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

Dependent claim 15 includes all the features of independent claim 10 and dependent claim 14, and further recites that “the oval shaped mirror surface has associated therewith a minor axis and a major axis, and wherein the upper area on which the antiglare material is disposed and treated is located in an upper portion of the mirror surface relative to the major axis of the mirror surface.” For at least the reasons described above, the combination of Stout and Falge fails to teach or suggest the combination of features recited in dependent claim 15, nor does the Office Action provide a reason for the combination. Accordingly, claim 15 is patentable over the combination of Stout with Falge, and the rejection of the claim under section 103 should be withdrawn.

VI. Conclusion

Applicant respectfully submits that, as described above, the cited prior art does not show or suggest the combination of features recited in the claims. Applicant does not concede that the cited prior art shows any of the elements recited in the claims. However, to the extent Applicant has discussed specific elements of the claims, Applicant has merely provided examples of elements in the claims that are clearly not present in the cited prior art.

Applicant strongly emphasizes that one reviewing the prosecution history should not interpret any of the examples Applicant has described herein in connection with distinguishing

over the prior art as limiting to those specific features in isolation. Rather, Applicant asserts that it is the combination of elements recited in each of the claims, when each claim is interpreted as a whole, which is patentable. Applicant has emphasized certain features in the claims as clearly not present in the cited references, as discussed above. However, Applicant does not concede that other features in the claims are found in the prior art. Rather, for the sake of simplicity, Applicant is providing examples of why the claims described above are distinguishable over the cited prior art.

Applicant wishes to clarify for the record, if necessary, that the claims have been amended to expedite prosecution and/or explicitly recite that which is already present within the claims as interpreted in view of the specification. Moreover, Applicant reserves the right to pursue the original and/or complimentary subject matter recited in the present claims in a continuation application.

Any claims that have been cancelled are hereby cancelled without prejudice or disclaimer, and Applicant reserves the right to further prosecute these claims in continuing applications. In addition, Applicant has attempted to claim all embodiments disclosed in the present application, and no disclaimer of any embodiments is hereby intended by the presently pending claims.

Any narrowing amendments made to the claims, if any, in the present Amendment are not to be construed as a surrender of any subject matter between the original claims and the present claims; rather merely Applicant's best attempt at providing one or more definitions of what the Applicant believes to be suitable patent protection. In addition, the present claims provide the intended scope of protection that Applicant is seeking for this application. Therefore, no estoppel should be presumed, and Applicant's claims are intended to include a

scope of protection under the Doctrine of Equivalents and/or statutory equivalents, i.e., all equivalents that are substantially the same as the presently claimed invention.

Further, Applicant hereby retracts any arguments and/or statements made during prosecution that were rejected by the Examiner during prosecution and/or that were unnecessary to obtain allowance, and only maintains the arguments that persuaded the Examiner with respect to the allowability of the patent claims, as one of ordinary skill would understand from a review of the prosecution history. That is, Applicant specifically retracts statements that one of ordinary skill would recognize from reading the file history were not necessary, not used and/or were rejected by the Examiner in allowing the patent application.

Applicant also traverses any “Official Notice,” “Design Choice,” “Admitted Prior Art” or other alleged prior art that the Examiner purports are well know with respect to the claimed combination of the present invention. Applicant disagrees and requests the Examiner to provide a prior art reference describing any of these features that the Examiner has not provided a prior art reference or an affidavit under 37 C.F.R. § 1.104(d)(2) providing details of why it would have been obvious. In the absence of either, Applicant requests withdrawal of this rejection for these reasons as well.

For all the reasons advanced above, Applicant respectfully submits that the rejections have been overcome and should be withdrawn.

For all the reasons advanced above, Applicant respectfully submits that the Application is in condition for allowance, and that such action is earnestly solicited.

VII. Authorization

The Director is hereby authorized to charge any additional fees which may be required for this Amendment, or credit any overpayment, to Deposit Account No. 08-0219.

In the event that an Extension of Time is required, or which may be required in addition to that requested in a petition for an Extension of Time, the Director is requested to grant a petition for that Extension of Time which is required to make this response timely and is hereby authorized to charge any fee for such an Extension of Time or credit any overpayment for an Extension of Time to Deposit Account No. 08-0219.

Respectfully submitted,
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